Japa March 14 182 A Dissertation on Inland vegetable chemistry. with helenschil on the proximate principles of mlants; Submitted as an inaugural thesis. to the examination of the Medical Gazulty of the University by Columbus C. Conwell of Pennsylvania March 1829. South West Corner of Fourth & Spruceste Quanto è varia matura, e quai tresori Offre al' wom chela Hudia e che l'ammira.

Inscribed to my Receptor,
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Mineral Chemistry has nearly monopolized the allentish of inact sigators protably because it is more exempt from confusion in its data I less complex in its products, than its dister secured for such elements as analysis can insulate, Synthesis can recombine. This is not the case in begetable Chemistry, nor can we can hope to form in our laboratories Substances developed by the long & incelsant work of organization - the may distroy but cannot reproduce - we may analyze but cannot effect a Similar after that of particles, unaided by the phenomena of bitality. In the mineral Kingdom Substances may be Said to combine 2 by 2; in the negetable, 3 by 3. hamely-oxygen, hydrogen, Carbon: & in the animal, where this granation of Complication is at its maximum, 4 by 4 Mz; ofygen, hitrogen, hydro gen, carbon. The chain of affinities connecting these principles is less durable as their compli-

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"Honey, like dugar, word silver a Englishingall and an uncryptablisable protein; and like sugar is consultable into malic and opalic acid, by peacitic with hitric acid.

Jarereollin,

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is brown, brittle, uncluous and of a Swutish biller table.

Mirile.

observed by Pelleties in the gum assin of the olies, is white brilliant and Bryslattoid tailing like Spreadlin.

Thus have I completed a rapid and succinch Shelth of a Science which owed its existence to the ninettenth century; one which had already tendered the most signal services to Suffering humanity; and one which holds out the golden promise of becoming the most important as it unquestionably is the most useful branch of its generic Science -